I claim:

1  1.   A method, comprising:

2      receiving a first Internet request having a first IP

3          address;

4      directing the first request to a first domain

5          processing shell for processing;

6      binding the first request to a particular socket

7          number in a particular computer;

8      receiving a second Internet request having a second

9          IP address;

10     directing the second request to a second domain

11         processing shell for processing; and

12     binding the second request to the particular socket

13         number in the particular computer;

14     wherein the second binding takes place while the

15         first binding is still active.


1  2.   The method of claim 1, wherein the particular socket

2  number is selected from a full range of permissible socket

3  numbers.


1  3.   The method of claim 1, wherein directing the first

2  request includes allocating the first request from an IP

3  stack.

1    4.    The method of claim 3, wherein directing the second

2    request includes allocating the second request from the IP

3    stack.

1    5.    The method of claim 1, wherein receiving the first

2    Internet request includes receiving with a network

3    interface card.

1    6.    The method of claim 5, wherein receiving the second

2    Internet request includes receiving with the network

3    interface card.

1    7.    The method of claim 1, wherein directing the first

2    and second requests includes using a domain name service

3    table.

1    8.    A machine-readable medium having stored thereon

2    instructions, which when executed by at least one

3    processor cause said at least one processor to perform

4    operations comprising:

5        receiving a first Internet request having a first IP

6            address;

7        directing the first request to a first domain

8            processing shell associated with the first IP

9            address for processing;

16

10  binding the first request to a particular socket

11      number in a particular computer;

12  receiving a second Internet request having a second

13      IP address;

14  directing the second request to a second domain

15      processing shell associated with the second IP

16      address for processing; and

17  binding the second request to the particular socket

18      number in the particular computer;

19  wherein the second binding takes place while the

20      first binding is still active.


1  9.   The medium of claim 8, wherein the particular socket

2  number is selected from a full range of permissible socket

3  numbers.


1  10.  The medium of claim 8, wherein directing the first

2  request includes allocating the first request from an IP

3  stack.


1  11.  The medium of claim 10, wherein directing the second

2  request includes allocating the second request from the IP

3  stack.

1  12.  The medium of claim 10, wherein receiving the first

2  Internet request includes receiving the first Internet

3  request from a network interface card.

1  13.  The medium of claim 12, wherein receiving the second

2  Internet request includes receiving the second Internet

3  request from the network interface card.

1  14.  The medium of claim 8, wherein directing the first

2  and second requests includes using a domain name service

3  table.

1  15.  An apparatus, comprising:

2      at least one network interface card to receive first

3          and second Internet requests; and

4      an IP stack coupled to the at least one network

5          interface card to distribute the first and

6          second requests to first and second domain

7          processing shells;

8      wherein the first request is bound to a particular

9          socket number in the first domain processing

10         shell and the second request is bound to the

11         particular socket number in the second domain

12         processing shell while the first request is

13         still bound to the particular socket number in

14         the first domain processing shell.

18

1    16.    The apparatus of claim 15, wherein:

2           the first domain processing shell includes a first

3               set of available socket numbers; and

4           the second domain processing shell includes a second

5               set of available socket numbers;

6           wherein at least one available socket number in the

7               first set duplicates at least one available

8               socket number in the second set.


1    17.    The apparatus of claim 15, further comprising:

2           process tables correlating a first set of processes

3               to the first domain and correlating a second set

4               of processes to the second domain.